



June 28, 2005

Delta Environmental Consultants, Inc.
911 S. Primrose Avenue, Suite K
Monrovia, CA 91016

ATTN: MR. JOHN NORDENSTAM

SITE: 76 STATION 0353
200 SOUTH CENTRAL AVENUE
GLENDALE, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

Dear Mr. Nordenstam:

Please find enclosed our Quarterly Monitoring Report for 76 Station 0353, located at 200 South Central Avenue, Glendale, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink that reads "Anju Farfan". The signature is fluid and cursive, with "Anju" on top and "Farfan" below it, though the two names are connected.

Anju Farfan
QMS Operations Manager

Enclosures
20-0400/0353R01.QMS



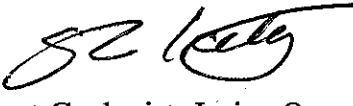
**QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005**

76 STATION 0353
200 South Central Avenue
Los Angeles, California

Prepared For:

Ms. Shari London
CONOCOPHILLIPS COMPANY
3611 Harbor Boulevard Suite 200
Santa Ana, California 92704

By:


Senior Project Geologist, Irvine Operations
June 27, 2005



LIST OF ATTACHMENTS

| | |
|---------------------------|--|
| Summary Sheet | Summary of Gauging and Sampling Activities |
| Tables | Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results |
| Figures | Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map |
| Graphs | Groundwater Elevations vs. Time Benzene Concentrations vs. Time |
| Field Activities | General Field Procedures Groundwater Sampling Field Notes |
| Laboratory Reports | Official Laboratory Reports Quality Control Reports Chain of Custody Records |
| Disposal Documents | Disposal/Treatment Manifests – Current |
| Statement | Limitations |

Summary of Gauging and Sampling Activities
April 2005 through June 2005
Former 76 Station 0353
200 South Central Avenue
Glendale, CA

Project Coordinator: **Shari London**
Telephone: **714-428-7720**

Water Sampling Contractor: **TRC**
Compiled by: **Alma Montaño**

Date(s) of Gauging/Sampling Event: **05/09/05**

Sample Points

Groundwater wells: **4** onsite, **5** offsite Wells gauged: **9** Wells sampled: **9**

Purging method: **Submersible pump**

Purge water disposal: **Crosby and Overton treatment facility**

Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a** Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **99.68 feet** Maximum: **101.85 feet**

Average groundwater elevation (relative to available local datum): **n/a feet**

Average change in groundwater elevation since previous event: **1.03 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.01 ft/ft, southwest**

Selected Laboratory Results

Wells with detected **Benzene**: **3** Wells above MCL (1.0 µg/l): **3**
Maximum reported benzene concentration: **4.1 µg/l (MW-8)**

Wells with **TPPH 8260B** **4** Maximum: **92 µg/l (MW-6)**
Wells with **MTBE** **7** Maximum: **21 µg/l (MW-3)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

| | |
|-----------------|---|
| -- | = not analyzed, measured, or collected |
| LPH | = liquid-phase hydrocarbons |
| Trace | = less than 0.01 foot of LPH in well |
| $\mu\text{g/l}$ | = micrograms per liter (approx. equivalent to parts per billion, ppb) |
| mg/l | = milligrams per liter (approx. equivalent to parts per million, ppm) |
| ND < | = not detected at or above laboratory detection limit |
| TOC | = top of casing (surveyed reference elevation) |

ANALYTES

| | |
|---------|--|
| BTEX | = benzene, toluene, ethylbenzene, and (total) xylenes |
| DIPE | = di-isopropyl ether |
| ETBE | = ethyl tertiary butyl ether |
| MTBE | = methyl tertiary butyl ether |
| PCB | = polychlorinated biphenyls |
| PCE | = tetrachloroethene |
| TBA | = tertiary butyl alcohol |
| TCA | = trichloroethane |
| TCE | = trichloroethylene |
| TPH-G | = total petroleum hydrocarbons with gasoline distinction |
| TPH-D | = total petroleum hydrocarbons with diesel distinction |
| TPPH | = total purgeable petroleum hydrocarbons |
| TRPH | = total recoverable petroleum hydrocarbons |
| TAME | = tertiary amyl methyl ether |
| 1,1-DCA | = 1,1-dichloroethane |
| 1,2-DCA | = 1,2-dichloroethane (same as EDC, ethylene dichloride) |
| 1,1-DCE | = 1,1-dichloroethene |
| 1,2-DCE | = 1,2-dichloroethene (cis- and trans-) |

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (D_p x LPH Thickness), where D_p is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
May 9, 2005
Former 76 Station 0353

| Date Sampled | TOC Elevation | Depth to Water (feet) | LPH Thickness (feet) | Ground water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | TBA 8260B (µg/l) | Comments |
|---|-----------------------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|------------------|----------|
| MW-1 (Screen Interval in feet: 90-128) | | | | | | | | | | | | | | | |
| 05/09/05 | 518.79 | 101.85 | 0.00 | 416.94 | 1.17 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 0.23J | ND<50 |
| MW-2 | (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | |
| 05/09/05 | 518.18 | 101.58 | 0.00 | 416.60 | 1.01 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 0.57J | ND<50 |
| MW-3 | (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | |
| 05/09/05 | 517.76 | 100.95 | 0.00 | 416.81 | 1.20 | -- | 32J | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 21 | ND<50 |
| MW-4 | (Screen Interval in feet: 80-119) | | | | | | | | | | | | | | |
| 05/09/05 | 517.31 | 100.30 | 0.00 | 417.01 | 1.21 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 0.32J | ND<50 |
| MW-5 | (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | |
| 05/09/05 | 516.85 | 99.90 | 0.00 | 416.95 | 1.03 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 0.16J | ND<50 |
| MW-6 | (Screen Interval in feet: DNA) | | | | | | | | | | | | | | |
| 05/09/05 | 517.32 | 101.03 | 0.00 | 416.29 | 1.14 | -- | 92 | 2.5 | 3.6 | 3.5 | 11 | -- | -- | ND<2.0 | ND<50 |
| MW-7 | (Screen Interval in feet: 90-120) | | | | | | | | | | | | | | |
| 05/09/05 | 516.78 | 100.75 | 0.00 | 416.03 | 1.17 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | 0.22J | ND<50 |
| MW-8 | (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | |
| 05/09/05 | 516.14 | 100.15 | 0.00 | 415.99 | 0.17 | -- | 89 | 4.1 | 3.3 | 0.65J | 14 | -- | -- | 0.16J | ND<50 |
| MW-9 | (Screen Interval in feet: DNA) | | | | | | | | | | | | | | |
| 05/09/05 | 515.50 | 99.68 | 0.00 | 415.82 | 1.14 | -- | 85 | 2.5 | 3.6 | 3.3 | 10 | -- | -- | ND<2.0 | ND<50 |

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
September 2004 Through May 2005
Former 76 Station 0353

| Date Sampled | TOC Elevation | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8260B | TPPH 8260B | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE 8021B | MTBE 8260B | TBA 8260B | Comments |
|---|---------------|-----------------------|----------------------|-------------------------------|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | (feet) | (feet) | (feet) | (feet) | ($\mu\text{g/l}$) |
| MW-1 (Screen Interval in feet: 90-128) | | | | | | | | | | | | | | | |
| 09/10/04 | 518.79 | 102.70 | 0.00 | 416.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 518.79 | 103.02 | 0.00 | 415.77 | -0.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 518.79 | 101.85 | 0.00 | 416.94 | 1.17 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 0.23J | ND<50 | |
| MW-2 (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | | |
| 09/10/04 | 518.18 | 102.30 | 0.00 | 415.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 518.18 | 102.59 | 0.00 | 415.59 | -0.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 518.18 | 101.58 | 0.00 | 416.60 | 1.01 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 0.57J | ND<50 | |
| MW-3 (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | | |
| 09/10/04 | 517.76 | 101.86 | 0.00 | 415.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 517.76 | 102.15 | 0.00 | 415.61 | -0.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 517.76 | 100.95 | 0.00 | 416.81 | 1.20 | -- | 32J | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 21 | ND<50 | |
| MW-4 (Screen Interval in feet: 80-119) | | | | | | | | | | | | | | | |
| 09/10/04 | 517.31 | 102.20 | 0.00 | 415.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 517.31 | 101.51 | 0.00 | 415.80 | 0.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 517.31 | 100.30 | 0.00 | 417.01 | 1.21 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 0.32J | ND<50 | |
| MW-5 (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | | |
| 09/10/04 | 516.85 | 100.63 | 0.00 | 416.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 516.85 | 100.93 | 0.00 | 415.92 | -0.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 516.85 | 99.90 | 0.00 | 416.95 | 1.03 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 0.16J | ND<50 | |
| MW-6 (Screen Interval in feet: DNA) | | | | | | | | | | | | | | | |
| 09/10/04 | 517.32 | 102.17 | 0.00 | 415.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 517.32 | 102.17 | 0.00 | 415.15 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 517.32 | 101.03 | 0.00 | 416.29 | 1.14 | -- | 92 | 2.5 | 3.6 | 3.5 | 3.1 | -- | ND<2.0 | ND<50 | |
| MW-7 (Screen Interval in feet: 90-120) | | | | | | | | | | | | | | | |

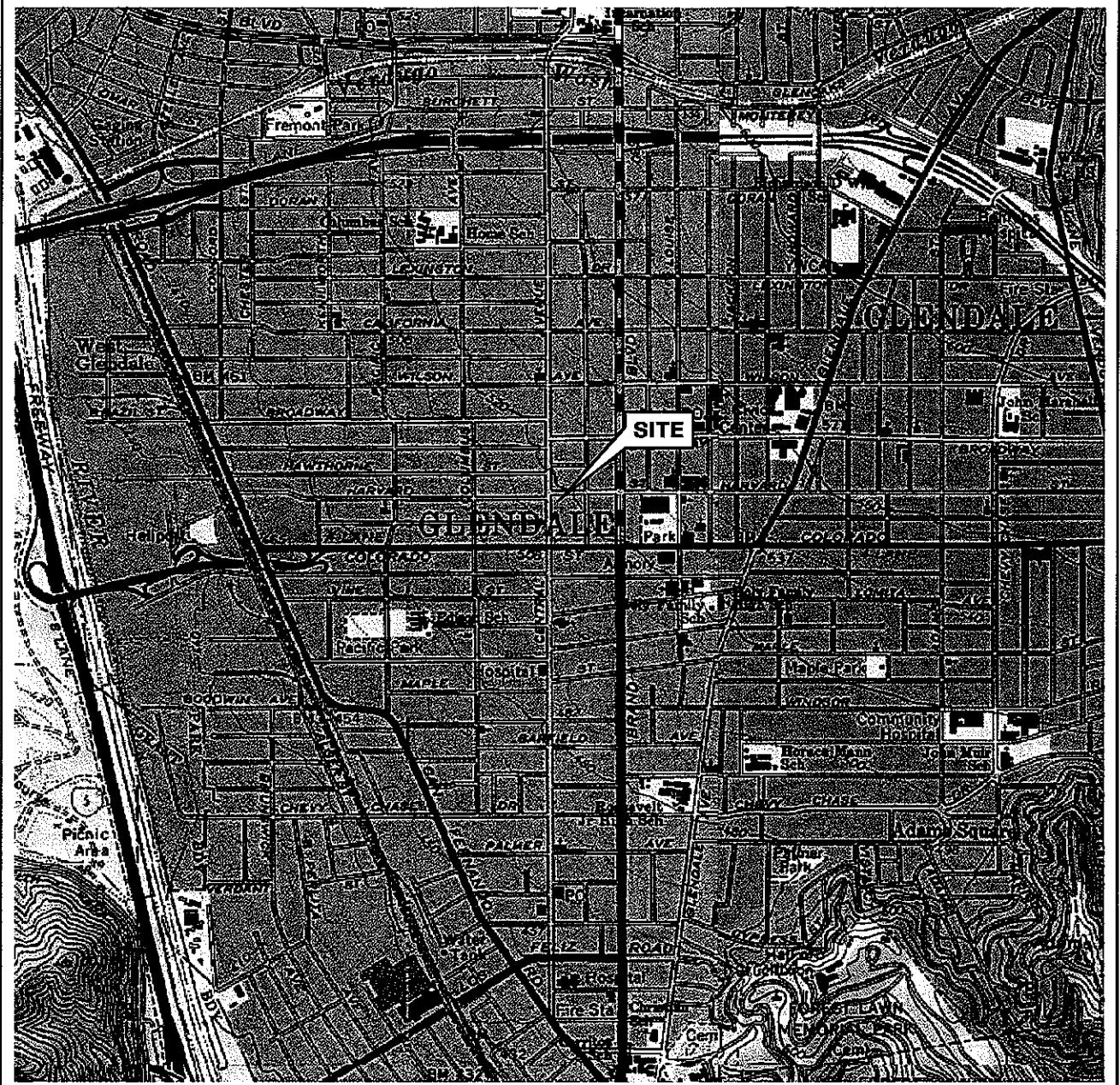
Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
September 2004 Through May 2005
Former 76 Station 0353

| Date Sampled | TOC Elevation | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8260B | TPPH 8260B | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE 8021B | MTBE 8260B | TBA 8260B | Comments |
|---|---------------|-----------------------|----------------------|-------------------------------|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------|
| | | (feet) | (feet) | (feet) | (feet) | ($\mu\text{g/l}$) | |
| MW-7 continued | | | | | | | | | | | | | | | |
| 09/10/04 | 516.78 | 101.92 | 0.00 | 414.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 516.78 | 101.92 | 0.00 | 414.86 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 516.78 | 100.75 | 0.00 | 416.03 | 1.17 | -- | ND<50 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | 0.22J | ND<50 | |
| MW-8 (Screen Interval in feet: 90-119) | | | | | | | | | | | | | | | |
| 09/10/04 | 516.14 | 100.32 | 0.00 | 415.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 516.14 | 100.32 | 0.00 | 415.82 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 516.14 | 100.15 | 0.00 | 415.99 | 0.17 | -- | 89 | 4.1 | 3.3 | 0.65J | 14 | -- | 0.16J | ND<50 | |
| MW-9 (Screen Interval in feet: DNA) | | | | | | | | | | | | | | | |
| 09/10/04 | 515.50 | 100.82 | 0.00 | 414.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/04/05 | 515.50 | 100.82 | 0.00 | 414.68 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/09/05 | 515.50 | 99.68 | 0.00 | 415.82 | 1.14 | -- | 85 | 2.5 | 3.6 | 3.3 | 10 | -- | ND<2.0 | ND<50 | |

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 0353

| Date Sampled | NO3 (mg/l) | Sulfate (mg/l) | Alka-linity 8260B | TAME 8260B | DPE 8260B | ETBE 8260B | Fe+2 8260B | Mang | Ethanol 8260B |
|-------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) | ($\mu\text{g/l}$) |
| MW-1 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |
| MW-2 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |
| MW-3 05/09/05 | 8.2 | 150 | 270 | ND<2.0 | ND<2.0 | ND<2.0 | 190 | 2.6J | ND<1000 |
| MW-4 05/09/05 | 21 | 130 | 340 | ND<2.0 | ND<2.0 | ND<2.0 | 310 | 2.2J | ND<1000 |
| MW-5 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |
| MW-6 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |
| MW-7 05/09/05 | 10 | 170 | 390 | ND<2.0 | ND<2.0 | ND<2.0 | 690 | 30 | ND<1000 |
| MW-8 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |
| MW-9 05/09/05 | -- | -- | -- | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | ND<1000 |

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Pasadena Quadrangle

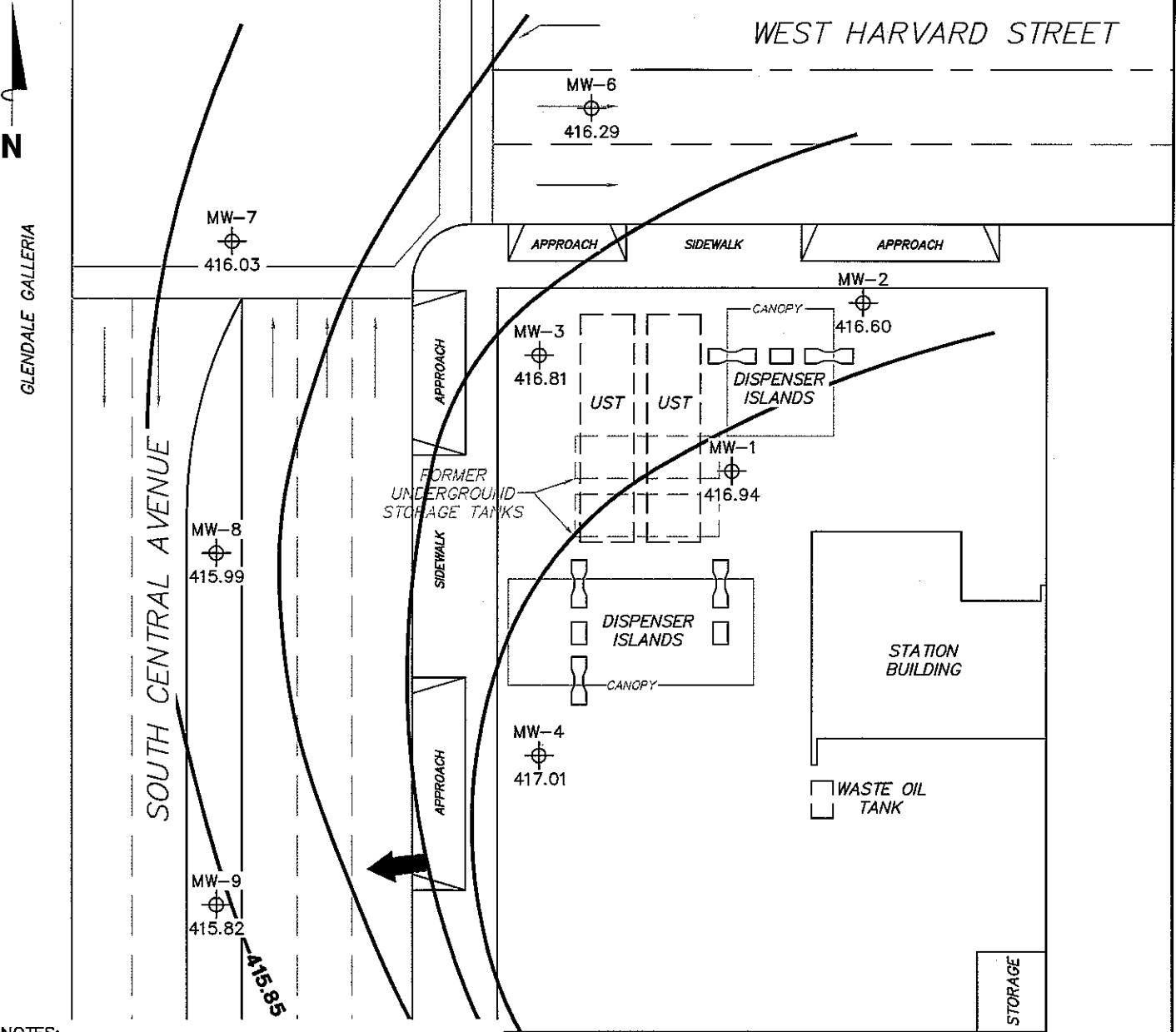
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VICINITY MAP

76 Station 0353
200 South Central Avenue
Glendale, California

TRC



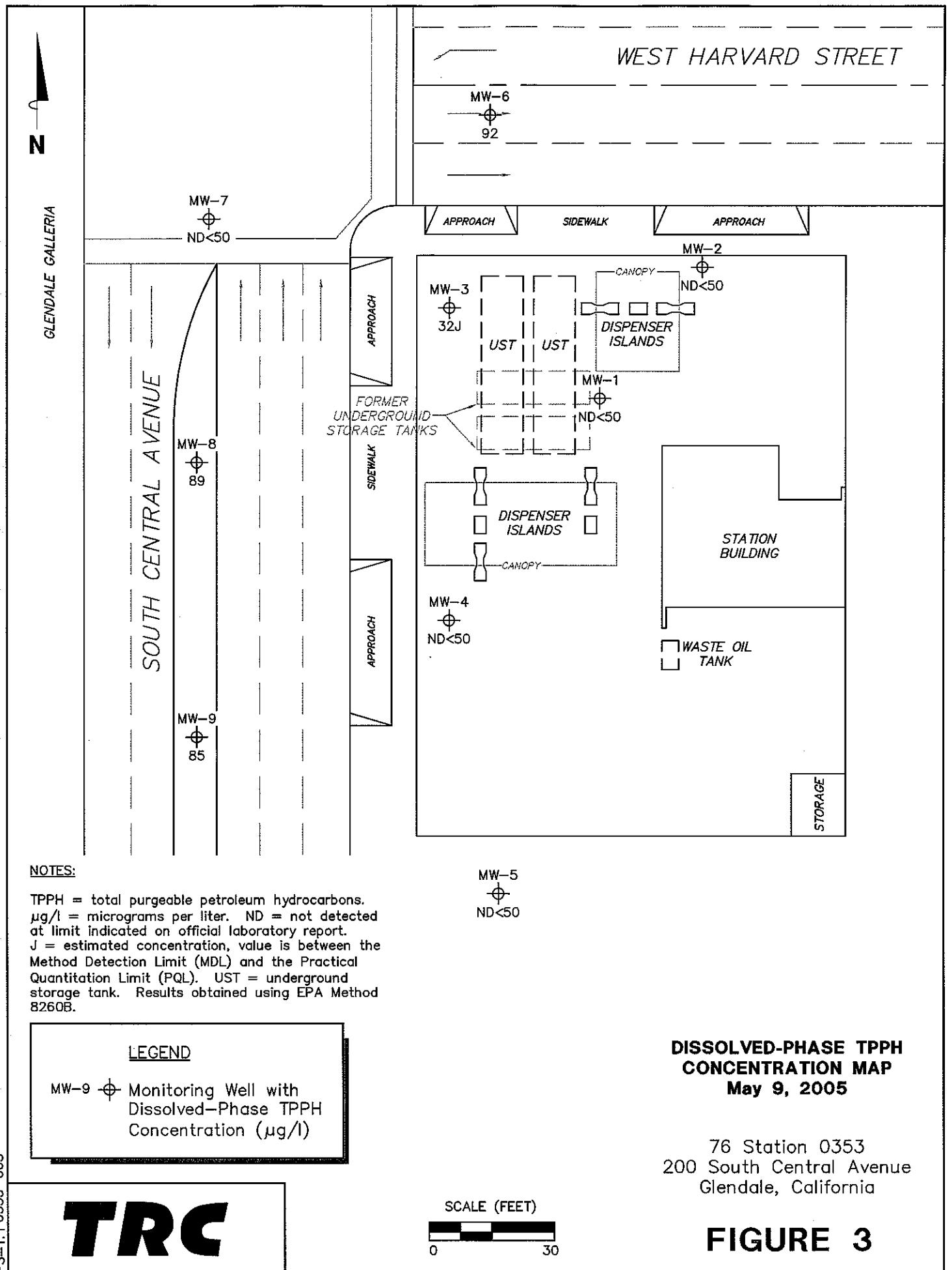
**GROUNDWATER ELEVATION
CONTOUR MAP
May 9, 2005**

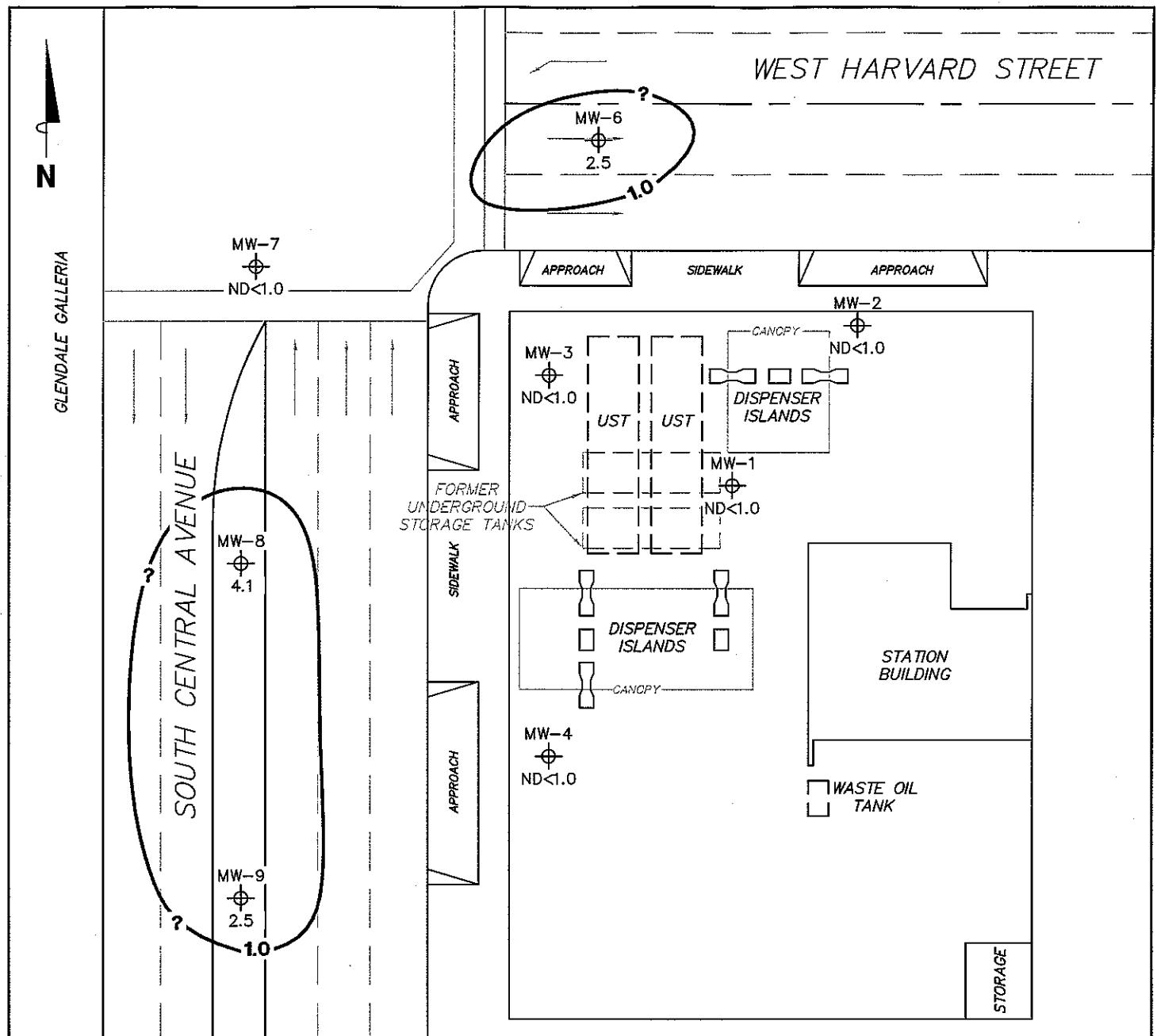
76 Station 0353
200 South Central Avenue
Glendale, California

SCALE (FEET)
0 30

TRC

FIGURE 2





NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank.

MW-5
ND < 1.0

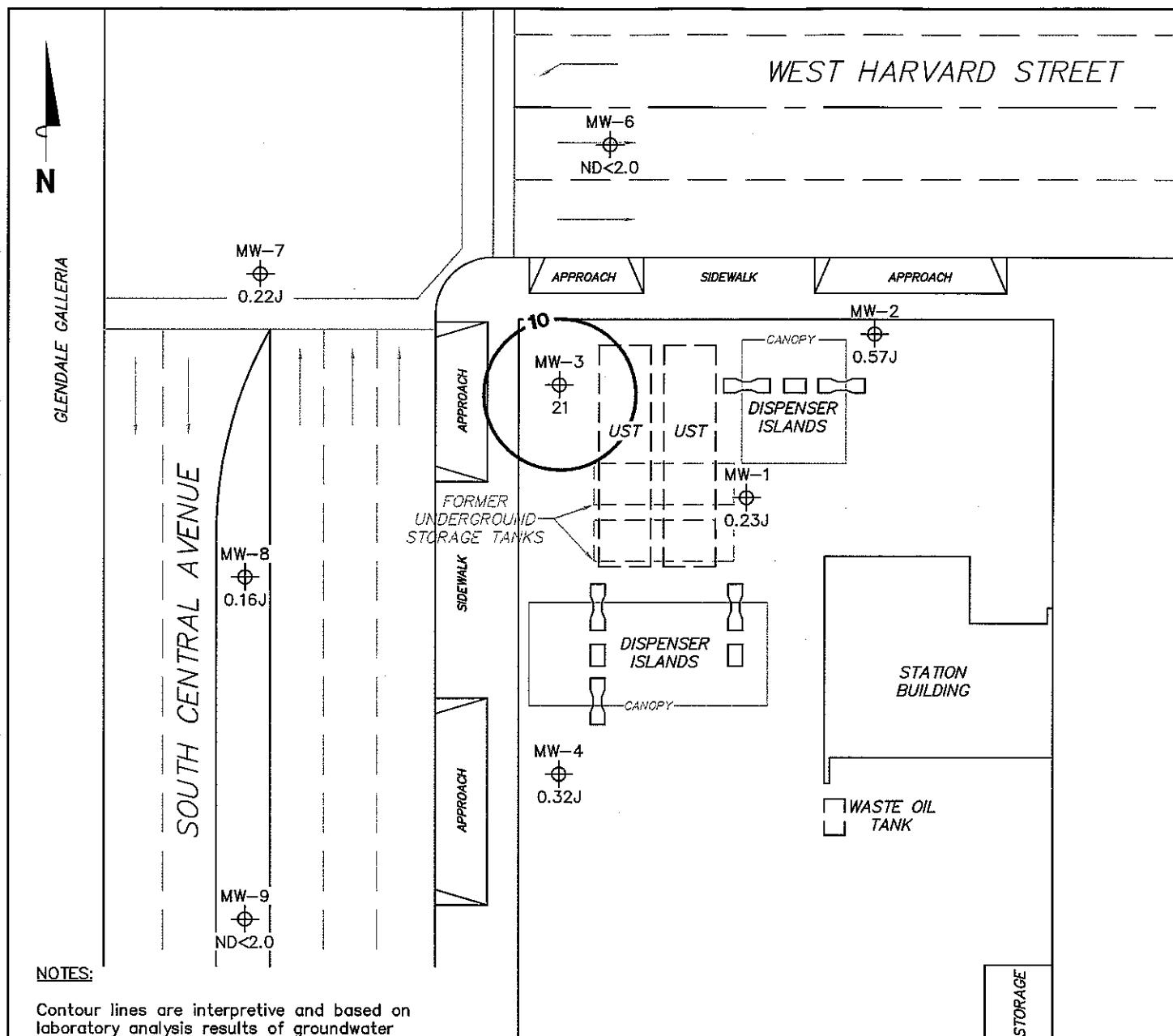
LEGEND

- MW-9 Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)
- 1.0 — Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
May 9, 2005

76 Station 0353
 200 South Central Avenue
 Glendale, California

SCALE (FEET)
 0 30



LEGEND

- MW-9 - Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)
- 10 - Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

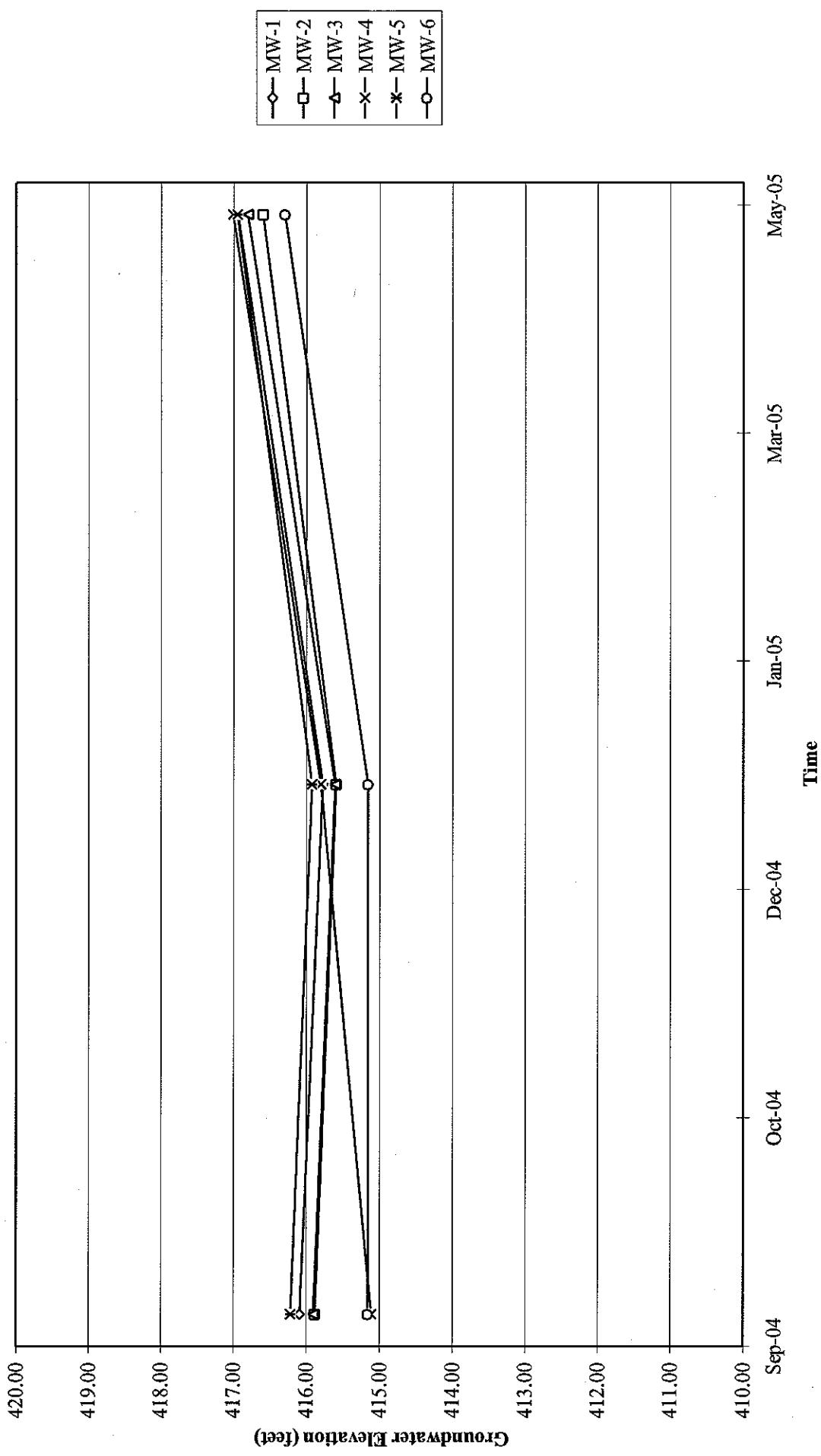
DISSOLVED-PHASE MTBE CONCENTRATION MAP
May 9, 2005

76 Station 0353
200 South Central Avenue
Glendale, California

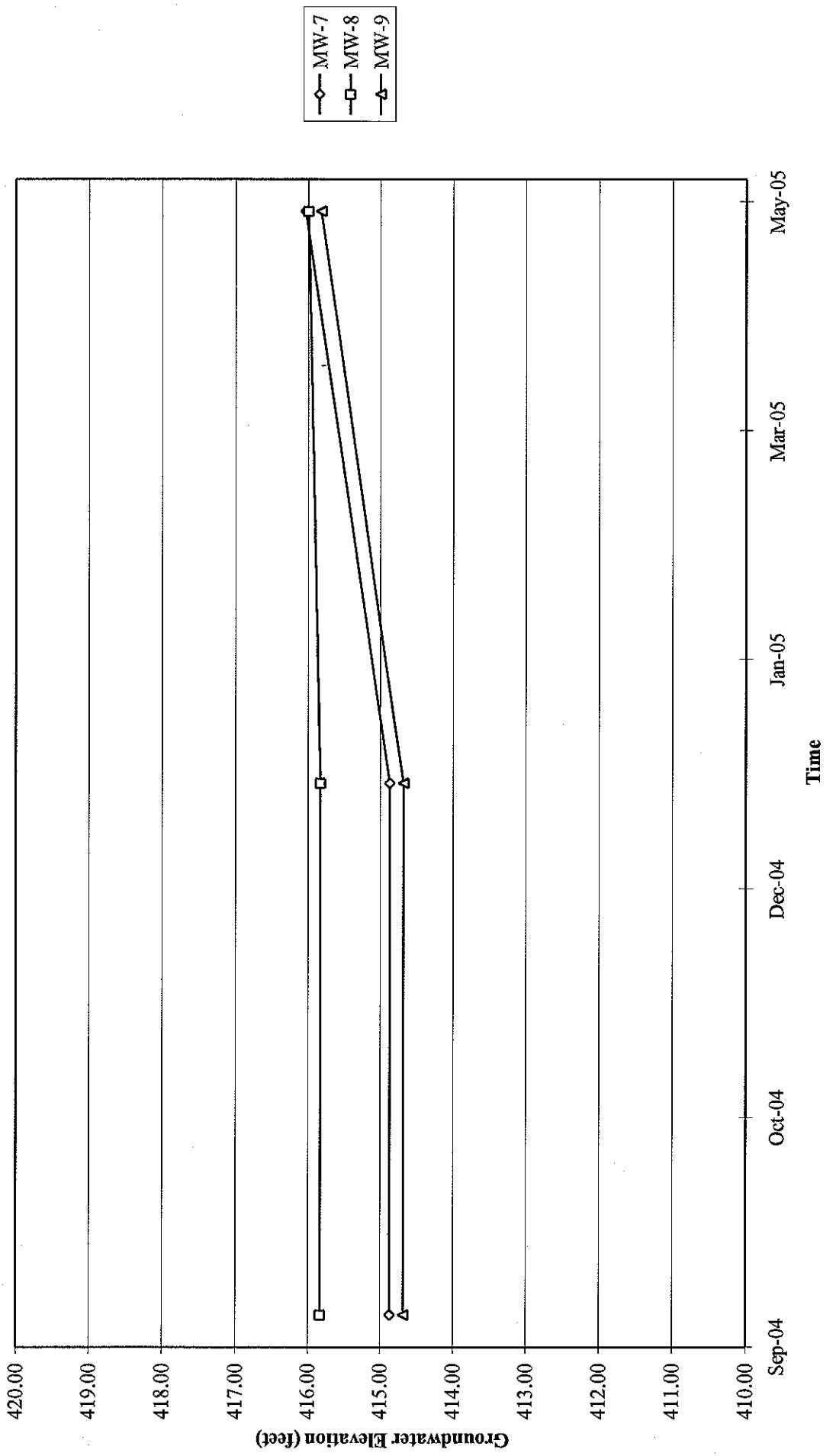
SCALE (FEET)
0 30

GRAPHS

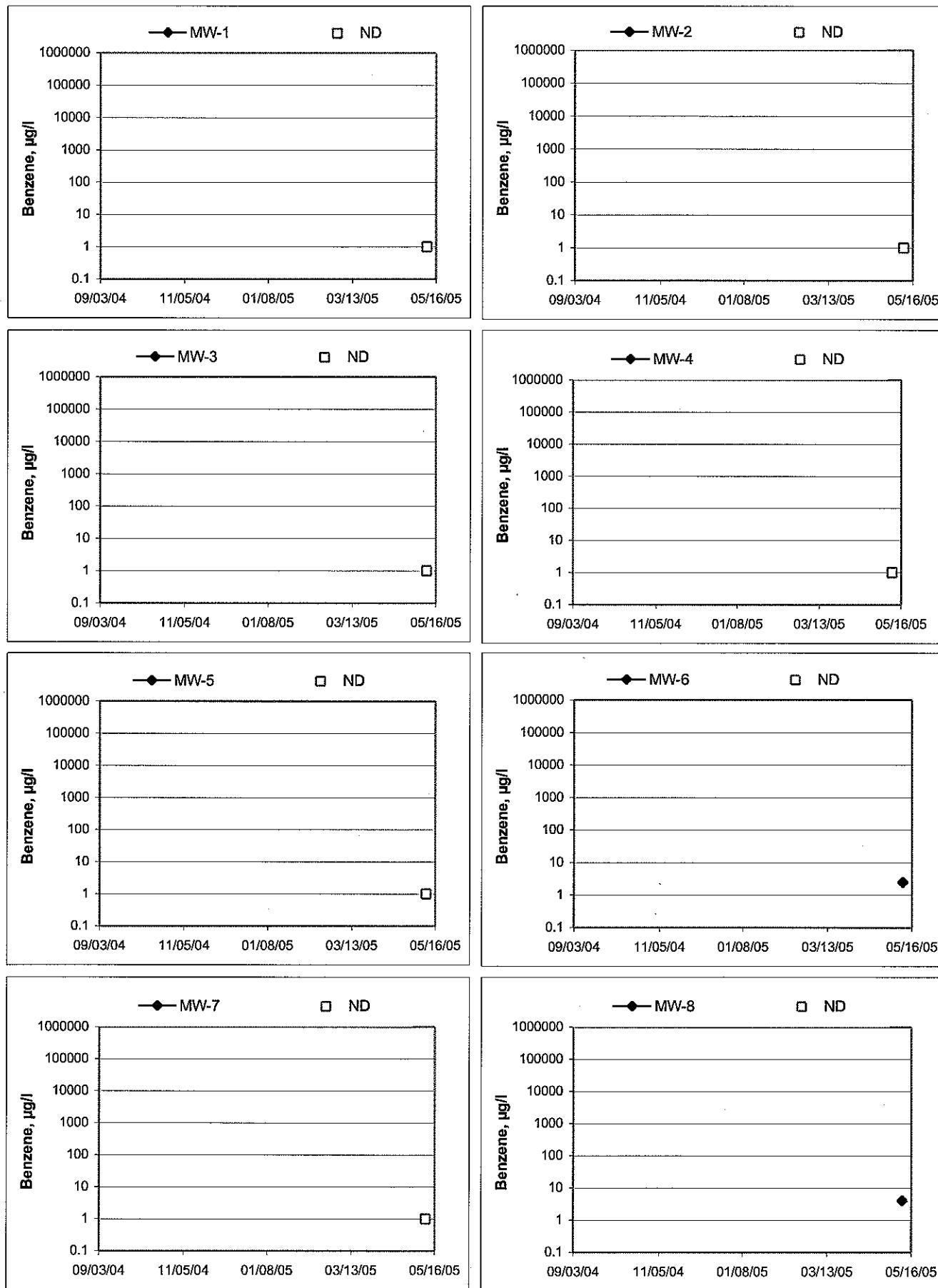
Groundwater Elevations vs. Time
Former 76 Station 0353



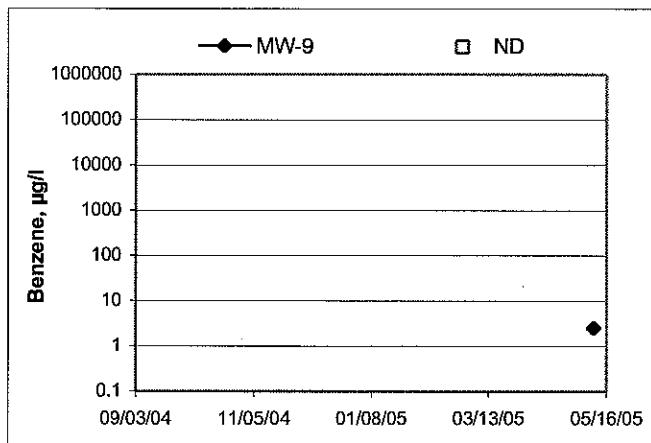
Groundwater Elevations vs. Time
Former 76 Station 0353



Benzene Concentrations vs Time
Former 76 Station 0353



Benzene Concentrations vs Time
Former 76 Station 0353



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, $\frac{1}{2}$ -inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Cannillo

Job #/Task #: J0040093

Date: 5-9-08

Site # 0353

Project Manager A.F.

Page 1 of 1

| Well # | TOC | Time Gauged | Total Depth | Depth to Water | Depth to Product | Product Thickness (feet) | Time Sampled | Misc. Well Notes |
|--------|-----|----------------|----------------|----------------------|------------------------|--------------------------------|-----------------|------------------|
| MW-1 | X | 0636 | 130.45 | 101.85 | Θ | Θ | 0752 | 4" |
| MW-2 | | 0640 | 119.41/2 | 101.58 | | | 0725 | |
| MW-3 | | 0645 | 120.40 | 99.90 | | | 0826 | |
| MW-6 | ▼ | 0649 | 120.05 | 101.03 | | | 0925 | |
| MW-9 | X | 0629 | 119.70 | 99.68 | ▼ | ▼ | 1008 | ▼ |
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FIELD DATA COMPLETE

QA/QC

COC

WELL BOX CONDITION SHEETS

WTT CERTIFICATE

MANIFEST

DRUM INVENTORY

TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: HAFKENSHEID

Site: 0353

Project No.: 20040082

Date: 5/9/05

Well No. MW-2

Purge Method: SUB

Depth to Water (feet): **101.98**

Depth to Product (feet): 0

Total Depth (feet) 119.42

LPH & Water Recovered (gallons): 0

Water Column (feet): 17.84

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 105.14

1 Well Volume (gallons): _____

Well No. MW-3

Purge Method: SUB

Depth to Water (feet): 100.95

Depth to Product (feet): 60

Total Depth (feet) 119.43

LPH & Water Recovered (gallons): 60

Water Column (feet): 18.48

Casing Diameter (Inches): 4^{1/2}

GROUNDWATER SAMPLING FIELD NOTES

Technician: HAFKENSCHIED

Site: 0353

Project No.: 20040087 EA20

Date: 5/9/05

Well No. MW - 4

Purge Method: SUB

2

Depth to Water (feet): 100.30

Depth to Product (feet):

Total Depth (feet) 119.55

LPH & Water Recovered (gallons): 0

Water Column (feet): 19.25

Casing Diameter (Inches): 4

80% Recharge Depth(feet): 104, 15

1. Well Volume (gallons): 13

Well No. MW-7

Purge Method: Sub

Depth to Water (feet): 100.75

Depth to Product (feet):

Total Depth (feet) 119.90

LPH & Water Recovered (gallons): 0

Water Column (feet): 9.15

Casing Diameter (Inches): 4

GROUNDWATER SAMPLING FIELD NOTES

Technician: HAFKENSHEID

Site: D353

Project No.: 20040083

Date: 5/9/05

Well No. MW-8

Purge Method: Sub

3

Depth to Water (feet): 100.15

Depth to Product (feet):

Total Depth (feet) 118.90

LPH & Water Recovered (gallons): 0

Water Column (feet): 18.75

Casing Diameter (Inches): 4

80% Recharge Depth(feet): 103.90

1 Well Volume (gallons): 12

Well No. _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet) _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

GROUNDWATER SAMPLING FIELD NOTES

Technician: Carrillo

6

Site: 0353

Project No.: 20040023

Date: 5-9-05

Well No. MW-1

Purge Method: sw3

Depth to Water (feet): 101-85

Depth to Product (feet): _____

Total Depth (feet) 130.45

LPH & Water Recovered (gallons): 0

Water Column (feet): 23.60

Casing Diameter (Inches): 4

Well No. MW-5

Purge Method: sub

Depth to Water (feet): 99.90

Depth to Product (feet): _____

Total Depth (feet) 120.40

LPH & Water Recovered (gallons): 0

Water Column (feet): 20.50

Casing Diameter (Inches): 4

GROUNDWATER SAMPLING FIELD NOTES

Technician: Cannillo

6

Site: 0253

Project No.: 200003

Date: 5-9-06

Well No. MW-6

Purge Method: SMB

Depth to Water (feet): 101.03

Depth to Product (feet):

Total Depth (feet) 120.05

LPH & Water Recovered (gallons): 100

Water Column (feet): 19.63

Casing Diameter (Inches): 9

Well No. MW - 9

Purge Method: Surge

16

Depth to Water (feet): 99-68

Depth to Product (feet): _____

Total Depth (feet) 119.70

LPH & Water Recovered (gallons)

Water Column (feet): 20.02

Casing Diameter (Inches): 4



Date of Report: 06/08/2005

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 0353

BC Lab Number: 0504621

Enclosed are the results of analyses for samples received by the laboratory on 05/09/05 18:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Molly Meyers".

Contact Person: Molly Meyers
Client Service Rep

A handwritten signature in black ink that reads "✓". It is placed above the text "Authorized Signature".

Authorized Signature



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | | |
|------------|---|--|--|--|--|
| 0504621-01 | COC Number: --- Project Number: 0353 Sampling Location: MW-3 Sampling Point: MW-3 Sampled By: Hafkenscheid of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 08:15 Sample Depth: --- Sample Matrix: Water | Delivery Work Order (LabW: Global ID: T0603728619 Matrix: W Sample QC Type (SACode): CS Cooler ID: | | |
| 0504621-02 | COC Number: --- Project Number: 0353 Sampling Location: MW-4 Sampling Point: MW-4 Sampled By: Hafkenscheid of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 09:01 Sample Depth: --- Sample Matrix: Water | Delivery Work Order (LabW: Global ID: T0603728619 Matrix: W Sample QC Type (SACode): CS Cooler ID: | | |
| 0504621-03 | COC Number: --- Project Number: 0353 Sampling Location: MW-7 Sampling Point: MW-7 Sampled By: Hafkenscheid of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 09:59 Sample Depth: --- Sample Matrix: Water | Delivery Work Order (LabW: Global ID: T0603728619 Matrix: W Sample QC Type (SACode): CS Cooler ID: | | |
| 0504621-04 | COC Number: --- Project Number: 0353 Sampling Location: MW-1 Sampling Point: MW-1 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 07:52 Sample Depth: --- Sample Matrix: Water | Delivery Work Order (LabW: Global ID: T0603728619 Matrix: W Sample QC Type (SACode): CS Cooler ID: | | |
| 0504621-05 | COC Number: --- Project Number: 0353 Sampling Location: MW-2 Sampling Point: MW-2 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 07:25 Sample Depth: --- Sample Matrix: Water | Delivery Work Order (LabW: Global ID: T0603728619 Matrix: W Sample QC Type (SACode): CS Cooler ID: | | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Arju Farfan

Reported: 06/08/05 17:40

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | |
|------------|---|---|
| 0504621-06 | COC Number: --- Project Number: 0353 Sampling Location: MW-5 Sampling Point: MW-5 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 08:26 Sample Depth: --- Sample Matrix: Water Sample QC Type (SACode): CS Cooler ID: |
| 0504621-07 | COC Number: --- Project Number: 0353 Sampling Location: MW-6 Sampling Point: MW-6 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 09:25 Sample Depth: --- Sample Matrix: Water Sample QC Type (SACode): CS Cooler ID: |
| 0504621-08 | COC Number: --- Project Number: 0353 Sampling Location: MW-9 Sampling Point: MW-9 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 10:08 Sample Depth: --- Sample Matrix: Water Sample QC Type (SACode): CS Cooler ID: |
| 0504621-09 | COC Number: --- Project Number: 0353 Sampling Location: MW-8 Sampling Point: MW-8 Sampled By: Carrillo of TRCI | Receive Date: 05/09/05 18:25 Sampling Date: 05/09/05 11:05 Sample Depth: --- Sample Matrix: Water Sample QC Type (SACode): CS Cooler ID: |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-01 Client Sample Name: 0353, MW-3, 5/9/2005 8:15:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep | Run | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Bias | Lab Quals | |
|--|--------|-------|----------------------|----------|----------|----------|----------|-------|-----------|---------|---------------|----------|----------|----|----|------|-----------|--------|
| | | | | | | | | | | | | | | | | | | |
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Methyl t-butyl ether | 21 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | ND |
| Total Purgeable Petroleum Hydrocarbons | 32 | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | A53, J |
| 1,2-Dichloroethane-d4 (Surrogate) | 103 | % | 76 - 114 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | | |
| Toluene-d8 (Surrogate) | 98.8 | % | 88 - 110 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | | |
| 4-Bromofluorobenzene (Surrogate) | 98.6 | % | 86 - 115 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 06:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | | | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 0504621-01 Client Sample Name: 0353, MW-3, MW-3, 5/9/2005 8:15:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instrument ID | Dilution | QC | MB | Lab Bias | Quals |
|---------------------------------------|--------|-------|------|-------|------------------------|----------|----------|-----------|---------|---------------|----------|---------|-----|----------|-------|
| Total Alkalinity as CaCO ₃ | 270 | mg/L | 10 | 10 | EPA-310.1 | 05/11/05 | 05/11/05 | 10:30 | JSM | BDB | 4 | BOE0690 | 7.6 | A01 | |
| Nitrate as N | 8.2 | mg/L | 0.10 | 0.018 | EPA-300.0 | 05/09/05 | 05/10/05 | 03:21 | NTN | IC1 | 1 | BOE0468 | ND | | |
| Sulfate | 150 | mg/L | 1.0 | 0.098 | EPA-300.0 | 05/09/05 | 05/10/05 | 03:21 | NTN | IC1 | 1 | BOE0468 | ND | | |
| Iron (III) Species | ND | ug/L | 100 | 100 | Calc | 06/08/05 | 06/08/05 | 15:10 | MSA | Calc | 1 | BOF0431 | ND | | |
| Iron (II) Species | 190 | ug/L | 100 | 100 | SM-3500-F _e | 05/10/05 | 05/10/05 | 10:10 | MSA | SPEC05 | 1 | BOE0874 | ND | | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (Metals)

BCL Sample ID: 0504621-01 Client Sample Name: 0353, MW-3, MW-3, 5/9/2005 8:15:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep | Run | Date/Time | Analyst | Instrument ID | Dilution | Instru- | QC | MB | Lab | Quals |
|-------------|--------|-------|-----|-----|-----------|----------|----------|-------|-----------|---------|---------------|----------|---------|----|----|-----|-------|
| Iron | ND | ug/L | 50 | 5.3 | EPA-6010B | 05/19/05 | 05/20/05 | 00:21 | JEE | PE-OP2 | 1 | BOE1137 | ND | | | | |
| Manganese | 2.6 | ug/L | 10 | 2.1 | EPA-6010B | 05/19/05 | 05/20/05 | 00:21 | JEE | PE-OP2 | 1 | BOE1137 | 0.31 | J | | | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: | 0504621-02 | Client Sample Name: | 0353, MW-4, 5/9/2005 | 9:01:00AM, Hafkenscheid | Prep | Run | Instru- | QC | MB | Lab | | |
|--|------------|---------------------|----------------------|-------------------------|----------|-------------------|---------|---------|----------|----------|---------|-------|
| Constituent | Result | Units | PQL | MDL | Method | Date | Analyst | ment ID | Dilution | Batch ID | Bias | Quals |
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Methyl t-butyl ether | 0.32 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | 23 | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | ND |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 76 - 114 | (LCL - UCL) | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | |
| Toluene-d8 (Surrogate) | 98.9 | % | 88 - 110 | (LCL - UCL) | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | |
| 4-Bromofluorobenzene (Surrogate) | 98.9 | % | 86 - 115 | (LCL - UCL) | EPA-8260 | 05/13/05 05/14/05 | 07:10 | SDU | MS-V12 | 1 | BOE1116 | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (General Chemistry)

BCL Sample ID: 0504621-02 **Client Sample Name:** 0353, MW-4, 5/9/2005 9:01:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Lab Quals |
|---------------------------------------|--------|-------|------|-------|------------|----------|----------------|---------|---------------|----------|----------|-----|-----|-----------|
| Total Alkalinity as CaCO ₃ | 340 | mg/L | 10 | 10 | EPA-310.1 | 05/11/05 | 05/11/05 10:30 | JSM | BDB | 4 | BOE0690 | 7.6 | A01 | |
| Nitrate as N | 21 | mg/L | 0.20 | 0.036 | EPA-300.0 | 05/09/05 | 05/10/05 13:51 | NTN | IC1 | 2 | BOE0468 | ND | A01 | |
| Sulfate | 130 | mg/L | 1.0 | 0.098 | EPA-300.0 | 05/09/05 | 05/10/05 03:38 | NTN | IC1 | 1 | BOE0468 | ND | | |
| Iron (III) Species | ND | ug/L | 100 | 100 | Calc | 06/08/05 | 06/08/05 15:10 | MSA | Calc | 1 | BOF0431 | ND | | |
| Iron (II) Species | 310 | ug/L | 100 | 100 | SM-3500-Ft | 05/10/05 | 05/10/05 10:10 | MSA | SPEC05 | 1 | BOE0874 | ND | | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 0504621-02 Client Sample Name: 0353, MW-4, MW-4, 5/9/2005 9:01:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep | Run | Date/Time | Analyst | Instrument | Batch ID | QC | MB | Lab Quals |
|-------------|--------|-------|-----|-----|-----------|----------|----------|-------|-----------|---------|------------|----------|------|----|-----------|
| Iron | 13 | ug/L | 50 | 5.3 | EPA-6010B | 05/19/05 | 05/20/05 | 00:26 | JEE | PE-OP2 | 1 | BOE1137 | ND | | J |
| Manganese | 2.2 | ug/L | 10 | 2.1 | EPA-6010B | 05/19/05 | 05/20/05 | 00:26 | JEE | PE-OP2 | 1 | BOE1137 | 0.31 | | J |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: | 0504621-03 | Client Sample Name: | 0353, MW-7, MW-7, 5/9/2005 | 9:59:00AM, Hafkenscheid | Prep | Run | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Lab Quals |
|--|------------|---------------------|----------------------------|-------------------------|----------|----------|----------------|---------|---------------|----------|----------|----|----|-----------|
| Constituent | Result | Units | PQL | MDL | Method | Date | | | | | | | | |
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Methyl t-butyl ether | 0.22 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | J | |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 106 | % | 76 - 114 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | | | |
| Toluene-d8 (Surrogate) | 98.9 | % | 88 - 110 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | | | |
| 4-Bromofluorobenzene (Surrogate) | 98.1 | % | 86 - 115 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 07:32 | SDU | MS-V12 | 1 | BOE1116 | | | |



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (General Chemistry)

BCL Sample ID: 0504621-03 Client Sample Name: 0353, MW-7, MW-7, 5/9/2005 9:59:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instru- | Batch ID | QC | MB | Lab | Quals |
|---------------------------------------|--------|-------|------|-------|------------|----------|----------|-----------|---------|---------|----------|---------|-----|-----|-------|
| Total Alkalinity as CaCO ₃ | 390 | mg/L | 10 | 10 | EPA-310.1 | 05/11/05 | 05/11/05 | 10:30 | JSM | BDB | 4 | BOE0690 | 7.6 | A01 | |
| Nitrate as N | 10 | mg/L | 0.10 | 0.018 | EPA-300.0 | 05/09/05 | 05/10/05 | 03:55 | NTN | IC1 | 1 | BOE0468 | ND | | |
| Sulfate | 170 | mg/L | 1.0 | 0.098 | EPA-300.0 | 05/09/05 | 05/10/05 | 03:55 | NTN | IC1 | 1 | BOE0468 | ND | | |
| Iron (III) Species | ND | ug/L | 100 | 100 | Calc | 06/08/05 | 06/08/05 | 15:10 | MSA | Calc | 1 | BOF0431 | ND | | |
| Iron (II) Species | 690 | ug/L | 100 | 100 | SM-3500-Ft | 05/10/05 | 05/10/05 | 10:10 | MSA | SPEC05 | 1 | BOE0874 | ND | | |



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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (Metals)

BCL Sample ID: 0504621-03 Client Sample Name: 0353, MW-7, MW-7, 5/9/2005 9:59:00AM, Hafkenscheid

| Constituent | Result | Units | PQL | MDL | Method | Date | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Lab Quals |
|-------------|--------|-------|-----|-----|-----------|----------|----------------|---------|---------------|----------|----------|------|----|-----------|
| Iron | 43 | ug/L | 50 | 5.3 | EPA-6010B | 05/19/05 | 05/20/05 00:32 | JEE | PE-OP2 | 1 | BOE1137 | ND | J | |
| Manganese | 30 | ug/L | 10 | 2.1 | EPA-6010B | 05/19/05 | 05/20/05 00:32 | JEE | PE-OP2 | 1 | BOE1137 | 0.31 | | |



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Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-04 Client Sample Name: 0353, MW-1, MW-1, 5/9/2005 7:52:00AM, Carrillo

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Lab Bias | Quals |
|--|--------|-------|----------------------|----------|----------|----------|----------|-----------|---------|---------------|----------|----------|----|----|----------|-------|
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Methyl t-butyl ether | 0.23 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | J |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 105 | % | 76 - 114 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| Toluene-d8 (Surrogate) | 98.2 | % | 88 - 110 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| 4-Bromofluorobenzene (Surrogate) | 99.0 | % | 86 - 115 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 07:55 | SDU | MS-V12 | 1 | BOE1116 | | | | | |



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-05 Client Sample Name: 0353, MW-2, MW-2, 5/9/2005 7:25:00AM, Carrillo

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instrument ID | Dilution | QC | MB | Lab | Quals |
|--|--------|-------|----------------------|----------|----------|----------|----------|-----------|---------|---------------|----------|----------|------|-----|-------|
| | | | | | | | | | | | | Batch ID | Bias | | |
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Methyl t-butyl ether | 0.57 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | J | |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | ND | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 101 | % | 76 - 114 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | | | | |
| Toluene-d8 (Surrogate) | 98.4 | % | 88 - 110 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | | | | |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 86 - 115 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:17 | SDU | MS-V12 | 1 | BOE1116 | | | | |



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-06 Client Sample Name: 0353, MW-5, MW-5, 5/9/2005 8:26:00AM, Carrillo

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instru- | ment ID | Dilution | QC | MB | Lab | Quals |
|--|--------|-------|----------|-------------|----------|----------|----------|-----------|---------|---------|---------|----------|----|----|-----|-------|
| Benzene | ND | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethylbenzene | ND | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Methyl t-butyl ether | 0.16 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | J | | |
| Toluene | ND | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Xylenes | ND | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 103 | % | 76 - 114 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | | | | |
| Toluene-d8 (Surrogate) | 97.8 | % | 88 - 110 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | | | | |
| 4-Bromofluorobenzene (Surrogate) | 99.1 | % | 86 - 115 | (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 08:39 | SDU | MS-V12 | 1 | BOE1116 | | | | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: | 0504621-07 | Client Sample Name: | 0353, MW-6, MW-6, 5/9/2005 9:25:00AM, Carrillo | Prep Run | Date/Time | Analyst | Instru- | QC | MB | Lab | Quals |
|--|------------|---------------------|--|-------------|-----------|-------------------------|---------|----------|----------|---------|-------|
| Constituent | Result | Units | PQL | MDL | Method | Date | ment ID | Dilution | Batch ID | Bias | |
| Benzene | 2.5 | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethylbenzene | 3.5 | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Methyl t-butyl ether | ND | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Toluene | 3.6 | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Total Xylenes | 11 | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| Total Purgeable Petroleum Hydrocarbons | 92 | ug/L | 50 | 23 | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | ND |
| 1,2-Dichlorethane-d4 (Surrogate) | 104 | % | 76 - 114 | (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | |
| Toluene-d8 (Surrogate) | 98.3 | % | 88 - 110 | (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 86 - 115 | (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 09:02 | SDU | MS-V12 | 1 | BOE1116 | |



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-08 Client Sample Name: 0353, MW-9, 5/9/2005 10:08:00AM, Carrillo

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instrument ID | Dilution | QC | MB | Lab | Quals |
|--|--------|-------|----------------------|----------|-------------------|-------------------|----------|-----------|---------|---------------|----------|----|----|-----|-------|
| | | | | | | | | | | | | | | | |
| Benzene | 2.5 | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethylbenzene | 3.3 | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Methyl t-butyl ether | ND | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Toluene | 3.6 | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Xylenes | 10 | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethy t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Purgeable Petroleum Hydrocarbons | 85 | ug/L | 50 | 23 | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 105 | % | 76 - 114 (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| Toluene-d8 (Surrogate) | 97.6 | % | 88 - 110 (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| 4-Bromofluorobenzene (Surrogate) | 99.4 | % | 86 - 115 (LCL - UCL) | EPA-8260 | 05/13/05 05:14/05 | 09:24 | SDU | MS-V12 | 1 | BOE1116 | | | | | |



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0504621-09 Client Sample Name: 0353, MW-8, MW-8, 5/9/2005 11:05:00AM, Carrillo

| Constituent | Result | Units | PQL | MDL | Method | Date | Prep Run | Date/Time | Analyst | Instru- | ment ID | Dilution | QC | MB | Lab | Quals |
|--|--------|-------|----------------------|----------|----------|----------|----------|-----------|---------|---------|---------|----------|----|----|-----|-------|
| Benzene | 4.1 | ug/L | 1.0 | 0.12 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethylbenzene | 0.65 | ug/L | 1.0 | 0.13 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | J | | |
| Methyl t-butyl ether | 0.16 | ug/L | 2.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | J | | |
| Toluene | 3.3 | ug/L | 1.0 | 0.15 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Xylenes | 14 | ug/L | 1.0 | 0.40 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Amyl Methyl ether | ND | ug/L | 2.0 | 0.31 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| t-Butyl alcohol | ND | ug/L | 50 | 9.3 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Diisopropyl ether | ND | ug/L | 2.0 | 0.25 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethanol | ND | ug/L | 1000 | 110 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Ethyl t-butyl ether | ND | ug/L | 2.0 | 0.27 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| Total Purgeable Petroleum Hydrocarbons | 89 | ug/L | 50 | 23 | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | ND | | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 107 | % | 76 - 114 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| Toluene-d8 (Surrogate) | 98.5 | % | 88 - 110 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 86 - 115 (LCL - UCL) | EPA-8260 | 05/13/05 | 05/14/05 | 09:47 | SDU | MS-V12 | 1 | BOE1116 | | | | | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

| Constituent | Batch ID | QC Sample ID | QC Sample Type | Source | Result | Spike Added | Control Limits | | | | |
|-----------------------------------|----------|--------------|------------------------|--------|--------|-------------|----------------|------|----------|------------------|----------------------------|
| | | | | | | | Units | RPD | Recovery | Percent Recovery | Percent Recovery Lab Quals |
| Benzene | BOE1116 | BOE1116-MS1 | Matrix Spike | ND | 21.850 | 25.000 | ug/L | 87.4 | 91.6 | 87.4 | 70 - 130 |
| | | BOE1116-MSD1 | Matrix Spike Duplicate | ND | 22.910 | 25.000 | ug/L | 4.69 | 20 | 20 | 70 - 130 |
| Toluene | BOE1116 | BOE1116-MS1 | Matrix Spike | ND | 21.570 | 25.000 | ug/L | 86.3 | 20 | 20 | 70 - 130 |
| | | BOE1116-MSD1 | Matrix Spike Duplicate | ND | 22.090 | 25.000 | ug/L | 2.40 | 88.4 | 20 | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surrogate) | BOE1116 | BOE1116-MS1 | Matrix Spike | ND | 10.720 | 10.000 | ug/L | 107 | 107 | 107 | 76 - 114 |
| | | BOE1116-MSD1 | Matrix Spike Duplicate | ND | 10.950 | 10.000 | ug/L | 110 | 110 | 110 | 76 - 114 |
| Toluene-d8 (Surrogate) | BOE1116 | BOE1116-MS1 | Matrix Spike | ND | 9.7600 | 10.000 | ug/L | 97.6 | 88 - 110 | 88 - 110 | 88 - 110 |
| | | BOE1116-MSD1 | Matrix Spike Duplicate | ND | 9.7800 | 10.000 | ug/L | 97.8 | 88 - 110 | 88 - 110 | 88 - 110 |
| 4-Bromofluorobenzene (Surrogate) | BOE1116 | BOE1116-MS1 | Matrix Spike | ND | 9.9900 | 10.000 | ug/L | 99.9 | 86 - 115 | 86 - 115 | 86 - 115 |
| | | BOE1116-MSD1 | Matrix Spike Duplicate | ND | 10.260 | 10.000 | ug/L | 103 | 86 - 115 | 86 - 115 | 86 - 115 |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (General Chemistry) Quality Control Report - Precision & Accuracy

| Constituent | Batch ID | QC Sample ID | QC Sample Type | Source | Result | Spike Added | Units | RPD | Control Limits | | |
|---------------------------|----------|--------------|------------------------|--------|--------|-------------|-------|-------|------------------|-------------|----------------------------|
| | | | | | | | | | Percent Recovery | Percent RPD | Percent Recovery Lab Quals |
| Nitrate as N | BOE0468 | BOE0468-DUP1 | Duplicate | 3.6590 | 3.6660 | | mg/L | 0.191 | 10 | | |
| | | BOE0468-MS1 | Matrix Spike | 3.6590 | 8.7727 | 5.0505 | mg/L | 101 | | 80 - 120 | |
| | | BOE0468-MSD1 | Matrix Spike Duplicate | 3.6590 | 8.8263 | 5.0505 | mg/L | 0.985 | 102 | 10 | 80 - 120 |
| Sulfate | BOE0468 | BOE0468-DUP1 | Duplicate | 17.998 | 18.025 | | mg/L | 0.150 | 10 | | |
| | | BOE0468-MS1 | Matrix Spike | 17.998 | 124.92 | 101.01 | mg/L | 106 | | 80 - 120 | |
| | | BOE0468-MSD1 | Matrix Spike Duplicate | 17.998 | 125.50 | 101.01 | mg/L | 0.00 | 106 | 10 | 80 - 120 |
| Nitrate as N | BOE0473 | BOE0473-DUP1 | Duplicate | ND | ND | | mg/L | | 10 | | |
| | | BOE0473-MS1 | Matrix Spike | ND | 5.0960 | 5.0505 | mg/L | 101 | | 80 - 120 | |
| | | BOE0473-MSD1 | Matrix Spike Duplicate | ND | 5.0687 | 5.0505 | mg/L | 0.995 | 100 | 10 | 80 - 120 |
| Total Alkalinity as CaCC3 | BOE0690 | BOE0690-DUP1 | Duplicate | 338.48 | 346.08 | | mg/L | 2.22 | 10 | | |
| | | BOE0690-MS1 | Matrix Spike | 338.48 | 602.80 | 250.00 | mg/L | | 106 | 80 - 120 | |
| | | BOE0690-MSD1 | Matrix Spike Duplicate | 338.48 | 608.48 | 250.00 | mg/L | 1.87 | 108 | 10 | 80 - 120 |
| Iron (II) Species | BOE0874 | BOE0874-DUP1 | Duplicate | 187.18 | 205.35 | | ug/L | 9.26 | 10 | | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

| Constituent | Batch ID | QC Sample ID | QC Sample Type | Source | Result | Spike Added | Units | Control Limits | | |
|-------------|----------|--------------|------------------------|--------|--------|-------------|-------|----------------|----------|------------------|
| | | | | | | | | RPD | Recovery | Percent Recovery |
| Iron | BOE1137 | BOE1137-DUP1 | Duplicate | ND | ND | ug/L | ug/L | 20 | 85 - 115 | 85 - 115 |
| | | BOE1137-MS1 | Matrix Spike | ND | 439.07 | ug/L | ug/L | 108 | 107 | 20 |
| | | BOE1137-MSD1 | Matrix Spike Duplicate | ND | 438.77 | ug/L | ug/L | 0.930 | 109 | 85 - 115 |
| Manganese | BOE1137 | BOE1137-DUP1 | Duplicate | ND | ND | ug/L | ug/L | 20 | 85 - 115 | 85 - 115 |
| | | BOE1137-MS1 | Matrix Spike | ND | 221.79 | ug/L | ug/L | 109 | 108 | 20 |
| | | BOE1137-MSD1 | Matrix Spike Duplicate | ND | 219.40 | ug/L | ug/L | 0.922 | 109 | 85 - 115 |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

| Constituent | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Percent Recovery | Control Limits | | |
|-----------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|------------------|-----|-----------|
| | | | | | | | | | Percent Recovery | RPD | Lab Quals |
| Benzene | BOE1116 | BOE1116-BS1 | LCS | 22.480 | 25.000 | 1.0 | ug/L | 89.9 | 70 - 130 | | |
| Toluene | BOE1116 | BOE1116-BS1 | LCS | 21.570 | 25.000 | 1.0 | ug/L | 86.3 | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BOE1116 | BOE1116-BS1 | LCS | 10.730 | 10.000 | | ug/L | 107 | 76 - 114 | | |
| Toluene-d8 (Surrogate) | BOE1116 | BOE1116-BS1 | LCS | 9.7500 | 10.000 | | ug/L | 97.5 | 88 - 110 | | |
| 4-Bromofluorobenzene (Surrogate) | BOE1116 | BOE1116-BS1 | LCS | 10.090 | 10.000 | | ug/L | 101 | 86 - 115 | | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

| Constituent | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Percent Recovery | | | Control Limits | |
|---------------------------------------|----------|--------------|---------|--------|-------------|------|-------|------------------|----------|----------|----------------|-----|
| | | | | | | | | Percent Recovery | RPD | RPD | Percent | RPD |
| Nitrate as N | BOE0468 | BOE0468-BS1 | LCS | 5.1434 | 5.0505 | 0.50 | mg/L | 102 | 90 - 110 | 90 - 110 | 90 - 110 | |
| Sulfate | BOE0468 | BOE0468-BS1 | LCS | 104.89 | 101.01 | 1.0 | mg/L | 104 | 90 - 110 | 90 - 110 | 90 - 110 | |
| Nitrate as N | BOE0473 | BOE0473-BS1 | LCS | 5.0899 | 5.0505 | 0.50 | mg/L | 101 | 90 - 110 | 90 - 110 | 90 - 110 | |
| Total Alkalinity as CaCO ₃ | BOE0690 | BOE0690-BS1 | LCS | 104.11 | 100.00 | 2.5 | mg/L | 104 | 90 - 110 | 90 - 110 | 90 - 110 | |
| Iron (II) Species | BOE0874 | BOE0874-BS1 | LCS | 2031.4 | 2000.0 | 100 | ug/L | 102 | 90 - 110 | 90 - 110 | 90 - 110 | |



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

| Constituent | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Percent Recovery | Control Limits | | |
|-------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|------------------|-----|-----------|
| | | | | | | | | | Percent Recovery | RPD | Lab Quals |
| Iron | BOE1137 | BOE1137-BS1 | LCS | 438.60 | 408.16 | 50 | ug/L | 107 | 85 - 115 | | |
| Manganese | BOE1137 | BOE1137-BS1 | LCS | 222.31 | 204.08 | 10 | ug/L | 109 | 85 - 115 | | |



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353

Project Number: [none]

Project Manager: Anju Parfan

Reported: 06/08/05 17:40

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

| Constituent | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quats |
|--|----------|--------------|-----------|-------|----------|-------------|-----------|
| Benzene | BOE1116 | BOE1116-BLK1 | ND | ug/L | 1.0 | 0.12 | |
| Ethylbenzene | BOE1116 | BOE1116-BLK1 | ND | ug/L | 1.0 | 0.13 | |
| Methyl t-butyl ether | BOE1116 | BOE1116-BLK1 | ND | ug/L | 2.0 | 0.15 | |
| Toluene | BOE1116 | BOE1116-BLK1 | ND | ug/L | 1.0 | 0.15 | |
| Total Xylenes | BOE1116 | BOE1116-BLK1 | ND | ug/L | 1.0 | 0.40 | |
| t-Amyl Methyl ether | BOE1116 | BOE1116-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| t-Butyl alcohol | BOE1116 | BOE1116-BLK1 | ND | ug/L | 50 | 9.3 | |
| Diisopropyl ether | BOE1116 | BOE1116-BLK1 | ND | ug/L | 2.0 | 0.25 | |
| Ethanol | BOE1116 | BOE1116-BLK1 | ND | ug/L | 1000 | 110 | |
| Ethy t-butyl ether | BOE1116 | BOE1116-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| Total Purgeable Petroleum Hydrocarbons | BOE1116 | BOE1116-BLK1 | ND | ug/L | 50 | 23 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BOE1116 | BOE1116-BLK1 | 103 | % | 76 - 114 | (LCL - UCL) | |
| Toluene-d8 (Surrogate) | BOE1116 | BOE1116-BLK1 | 98.1 | % | 88 - 110 | (LCL - UCL) | |
| 4-Bromofluorobenzene (Surrogate) | BOE1116 | BOE1116-BLK1 | 101 | % | 86 - 115 | (LCL - UCL) | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

| Constituent | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---------------------------------------|----------|--------------|-----------|-------|------|-------|-----------|
| Nitrate as N | BOE0468 | BOE0468-BLK1 | ND | mg/L | 0.50 | 0.018 | |
| Sulfate | BOE0468 | BOE0468-BLK1 | ND | mg/L | 1.0 | 0.098 | |
| Nitrate as N | BOE0473 | BOE0473-BLK1 | ND | mg/L | 0.50 | 0.018 | |
| Total Alkalinity as CaCO ₃ | BOE0690 | BOE0690-BLK1 | ND | mg/L | 2.5 | 2.5 | |
| Iron (II) Species | BOE0874 | BOE0874-BLK1 | ND | ug/L | 100 | 100 | |
| Iron (III) Species | BOF0431 | BOF0431-BLK1 | ND | ug/L | 100 | 100 | |



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353

Project Number: [none]

Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

| Constituent | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-------------|----------|--------------|-----------|-------|-----|-----|-----------|
| Iron | BOE1137 | BOE1137-BLK1 | ND | ug/L | 50 | 5.3 | |
| Manganese | BOE1137 | BOE1137-BLK1 | ND | ug/L | 10 | 2.1 | |



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 06/08/05 17:40

Notes and Definitions

| | |
|-----|--|
| J | Estimated value |
| A53 | Chromatogram not typical of gasoline. |
| A01 | PQL's and MDL's are raised due to sample dilution. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

Submission #: 05-4621

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest Box None
 Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments: _____
 Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID: R/W
 Temperature: 3.1 °C
 Thermometer ID: H4d

Emissivity
 Container: .95
 VOA

Date/Time 5/9/05
 Analyst Init OJG

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|--------------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT GENERAL MINERAL/ GENERAL PHYSICAL | C | C | C | | | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| 100ml TOTAL ORGANIC CARBON | | | | | | | | | | |
| QT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A-4 | A-4 | A-4 | A-4 | A-4 | A-4 | A-4 | A-4 | A-4 | |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 100ml EPA 547 | | | | | | | | | | |
| 100ml EPA 53L1 | | | | | | | | | | |
| QT EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 801SM | | | | | | | | | | |
| QT OA/QC | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | B | B | B | | | | | | | |
| ENCORE | | | | | | | | | | |

Comments: _____

Sample Numbering Completed By: _____

OJG

Date/Time: _____

5/9/05 2100

Short Haul

BIG LABORATORIES, INC.

4100 Atlas Court Bakersfield, CA 93308
(661) 327-4911 FAX (661) 327-1918

CHAIN OF CUSTODY

05 - 4621 ANALYSIS REQUESTED

Circle one: Phillips 66 / Unocal

Consultant Firm: TRC

Address:

21 Technology Drive
Irvine, CA 92611-2302
Attn: Anju Farfan

City: Glendale

MAINX

(EWV)

Ground-
water
(GW)

soil

(WWS)
Waste-
water
(WW)

sludge

sludge

4-digit Site#: 0353
Workorder #: 711TRCS01
Project #: 20090833

Sampler Name: Hansel Schaefer

Sample Description

Date & Time
Sampled

6W

Field Point Name

Date & Time

Sampled

- 1 mw-3 0353 5/1/05 0815
- 2 mw-4 0901
- 3 mw-7 0959

| | | | | | | |
|--------------------|-----------------|------|----|---|---|--|
| SHORT HOLDING TIME | | | | | | |
| Cr ⁺⁶ | NO ₂ | OP | SS | | | |
| DO | BOD | MBAS | C | G | T | |

| | |
|-----------|----------------------------------|
| CHK BY | DISTRIBUTION |
| <u>AP</u> | <input type="checkbox"/> MRSSC |
| | <input type="checkbox"/> SUB-OUT |

Comments:

Short Holdings time

GLOBAL ID:
TOL03728619

(A) = ANALYSIS
(C) = CONTAINER

Relinquished by (Signature)
Relinquished by (Signature)
Relinquished by (Signature)

Short Holdings time

Received by: Mark Jacoby
Date & Time: 5/1/05 1825

Received by: Mark Jacoby
Date & Time: 5/1/05 1825

Received by: Mark Jacoby
Date & Time: 5/1/05 1825

(P) = PRESERVATIVE

(C) = CONTAINER

SHORT HOLDINGS TIME

9

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

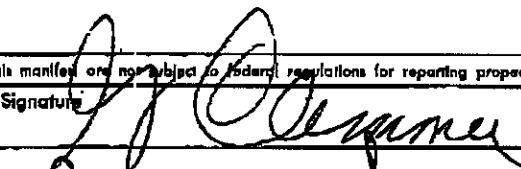
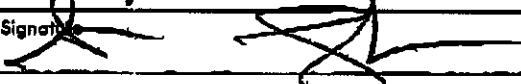
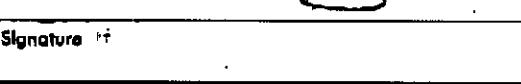
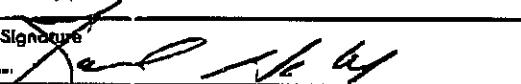
| | | | | | | | | | | | | | | | | |
|----------------------------------|--|--|---------------------|------------------------|----------------------|------------------------------|-------------------------------------|------------------|--------------------|-------------------------------------|-----------------------------------|--------------|------------------|-------------------------|--------------|---------------------------|
| Circle one: Phillips 66 / Unocal | Consultant Firm: TRC | MATRIX <input checked="" type="radio"/> Ground-water <input type="radio"/> Soil <input type="radio"/> Waste-water <input type="radio"/> Sludge | 4-digit site#: 0353 | Workorder # 4711TRESCO | Project #: 100400023 | Sampler Name: <u>Camillo</u> | Date & Time Sampled 5/19/05 6:00 | TPH GAS by 8015M | TPH DIESEL by 8015 | 8260 full list w/ MTBE & oxygenates | BTEX/MTBE by 8021B, Gases by 6015 | TPH by 8260B | ETHANOL by 8260B | BTEX/MTBE/OXYS BY 8260B | TPH by 8260B | Turnaround Time Requested |
| Address: | 21 Technology Drive Irvine, CA 92618-2302 | | | | | | | | | | | | | | | Date & Time |
| City: | <u>Glendale</u> | | | | | | | | | | | | | | | Date & Time |
| State: CA | Zip: | | | | | | | | | | | | | | | Date & Time |
| Phillips 66 /Unocal Mgt., f | | | | | | | | | | | | | | | | Date & Time |
| Lab# | Sample Description | Field Point Name | | | | | | | | | | | | | | Date & Time |
| -4 | MW-1 | | | | | | | | | | | | | | | Date & Time |
| -5 | MW-2 | | | | | | | | | | | | | | | Date & Time |
| -6 | MW-5 | | | | | | | | | | | | | | | Date & Time |
| -7 | MW-6 | | | | | | | | | | | | | | | Date & Time |
| -8 | MW-9 | | | | | | | | | | | | | | | Date & Time |
| -9 | MW-8 | | | | | | | | | | | | | | | Date & Time |

Comments:
GLOBAL ID:
103728619
Analyst
(A) = ANALYSIS
(C) = CONTAINER
(P) = PRESERVATIVE

Received by: John D. Shaffer
Date & Time: 5/26/05 1625

Received by: John D. Shaffer
Date & Time: 5/26/05 1625

Received by: John D. Shaffer
Date & Time: 5/26/05 1625

| | | | | | |
|---|--|---|---------------------------------------|-----------------------------|-----|
| NON-HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. Not Required | Manifest Document No. 00001 | 2. Page 1 of 4470 | - 1 |
| <p>3. Generator's Name and Mailing Address Conoco - Phillips Oil Company 600 N. Dallas Ashford, Houston Tx. 77079 4. Generator's Phone () 281-223-1584</p> | | | | | |
| <p>5. Transporter 1 Company Name Pacific Technical Services 6. US EPA ID Number GAR000158806</p> | | | | | |
| <p>7. Transporter 2 Company Name 8. US EPA ID Number</p> | | | | | |
| <p>9. Designated Facility Name and Site Address Crosby & Overton 1830 W. 16th St. Long Beach CA 90810 10. US EPA ID Number CAD028408019</p> | | | | | |
| <p>C. Facility's Phone 562-492-5445</p> | | | | | |
| <p>11. Waste Shipping Name and Description</p> | | | | | |
| <p>a. Non Hazardous Waste Liquids</p> | | | | | |
| <p>b.</p> | | | | | |
| <p>c.</p> | | | | | |
| <p>d.</p> | | | | | |
| <p>D. Additional Descriptions for Materials Listed Above 11a. Profile #: 25903 - Groundwater</p> | | | | | |
| <p>E. Handling Codes for Wastes Listed Above</p> | | | | | |
| <p>A. /S B.</p> | | | | | |
| <p>C. D.</p> | | | | | |
| <p>15. Special Handling Instructions and Additional Information</p> | | | | | |
| <p>Wear proper protective equipment while handling. Weights or volumes are approximate. 24-hour emergency telephone number (562) 984-3018</p> | | | | | |
| <p>Site # <u>0353</u> Location: <u>200 S. central ave LN. 4.</u></p> | | | | | |
| <p>16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.</p> | | | | | |
| <p>Printed/Typed Name Gordon Clemmer Agent for Conoco / Phillips Signature  Month 05 Day 16 Year 05</p> | | | | | |
| <p>17. Transporter 1 Acknowledgement of Receipt of Materials</p> | | | | | |
| <p>Printed/Typed Name Al Lobos Signature  Month 05 Day 16 Year 05</p> | | | | | |
| <p>18. Transporter 2 Acknowledgement of Receipt of Materials</p> | | | | | |
| <p>Printed/Typed Name Signature  Month Day Year </p> | | | | | |
| <p>19. Discrepancy Indication Space</p> | | | | | |
| <p>20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.</p> | | | | | |
| <p>Printed/Typed Name John Johnson Signature  Month 05 Day 16 Year 05</p> | | | | | |
| TRANSPORTER # 1 | | | | | |

LIMITATIONS

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.